

CLEAN COPY OF THE PENDING CLAIMS

1. A devitalized matrix for inducing repair of tissue defects in a mammal, comprising:

an isolated devitalized mammalian epithelial basement membrane and tunica propria immediately subjacent to said basement membrane.

2. The matrix of claim 1 wherein said basement membrane is derived from urinary bladder.

3. The matrix of claim 1 wherein said basement membrane is derived from small intestine.

4. The matrix of claim 1 wherein said matrix may be at a tissue defect site.

5. The matrix of claim 1 wherein said matrix is injectable.

7. The matrix of claim 1 wherein said matrix is mixed with a pharmaceutical agent.

8. A method for inducing repair of a tissue defect in a mammal, said method comprising:

providing to the defect site, a devitalized matrix comprising a mammalian epithelial basement membrane and tunica propria immediately adjacent to said basement membrane.

9. The method of claim 8 wherein said repair comprises induction of connective tissue repair and epithelial tissue repair at said tissue defect site.

10. A composition, comprising:

devitalized mammalian epithelial basement membrane and tunica propria immediately subjacent to said epithelial basement membrane, wherein said basement membrane and tunica propria are delaminated from the submucosa.

11. A composition, comprising:

devitalized mammalian epithelial basement membrane, tunica propria, and tunica muscularis, wherein said basement membrane, tunica propria, and tunica muscularis are delaminated from epithelial cells of a mammalian epithelium.



12. A composition, comprising:

devitalized mammalian epithelial basement membrane and submucosa, wherein said basement membrane and submucosa are delaminated from the cells of an epithelium and tunica muscularis of a mammalian epithelial tissue.

13. A method for manufacture of a tissue graft composition, comprising:

soaking a mammalian epithelial tissue in a deepthelializing solution to form a devitalized tissue having an epithelial basement membrane; and,

abrading said devitalized tissue on an abluminal surface of said tissue to form a delaminated tissue, wherein the delaminated tissue remaining after abrading said tissue, comprises at least a portion of the epithelial basement membrane and said delaminated tissue comprising said basement membrane induces endogenous tissue restoration.

14. The method of claim 13 wherein said deepthelializing solution comprises 1.0 N saline.

15. The method of claim 13 wherein said abluminal surface comprises a tissue surface deeper than said epithelial basement membrane.

16. The method of claim 13 wherein said epithelial tissue comprises urinary bladder.

17. The method of claim 13 wherein said epithelial tissue comprises small intestine.

18. The matrix of claim 1 wherein said matrix induces repair of skin defects.

19. The matrix of claim 18 wherein said matrix induces repair of partial thickness skin defects.

20. The matrix of claim 18 wherein said matrix induces repair of full thickness skin defects.

21. The matrix of claim 1 wherein said matrix induces repair of cartilaginous defects.

22. The matrix of claim 1 wherein said matrix induces repair of bone defects.



23. The matrix of claim 1 wherein said matrix induces repair of vascular defects.
24. The matrix of claim 1 wherein said matrix induces repair of connective tissue defects.
25. The matrix of claim 1 wherein said matrix induces repair of cardiac defects.
26. The matrix of claim 1 wherein said basement membrane is derived from a hollow epithelial organ.
27. The matrix of claim 1 wherein said basement membrane is delaminated from the mucous membrane of an epithelial organ.
28. The method of claim 8 wherein the source of said basement membrane is a hollow epithelial organ.
29. The composition of claim 10 further comprising cells.
30. The composition of claim 29 wherein the cells comprise cells from a cultured cell line.

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